PATENT J.S. Patent Application No. 10/081,124 Atty. Docket No. PP-016336.002



### DECLARATION FOR PATENT APPLICATION



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

# GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS COLON CELLS AND THEIR METHODS OF USE

	AND	INDIK MBIHODS	OF USE		
the specification of w February 21, 2002 as U on	hich (check on .S. Patent App (if appl	e) is at lication Seria icable).	tached here il No. <b>10/0</b> 8	eto <u>x</u> wa 81,124 and w	ns filed on vas amended
I hereby state that I identified specificati	have reviewed on, including	and understand the claims, as	the conter amended re	nts of the a eferred to a	above- above.
I acknowledge the duty this application in ac 1.56(a).	cordance with	nformation whi Title 37, Code	e of Federal	l Regulation	examination of ss. Section
I hereby claim foreign any foreign applicatio also identified below having a filing date b	n(s) for paten any foreign ap	t or inventor' plication for	s certifica patent or i	ate listed b inventor's c	elow and have ertificate
Prior Foreign Applicat Number	ion(s) Country	Day/Month/Yea	ır Filed	Priority C Yes	<u>laimed</u> <u>No</u>
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I hereby claim the ben any United States appl insofar as the subject disclosed in the prior paragraph of Title 35, material information a which occurred between PCT international fili	ication(s) and matter of eac United States United States s defined in T the filing da	/or provisions h of the claim application i Code, §112, I itle 37, Code te of the pric	al applications of this and the manner acknowledge of Federal or applicati	ion(s) liste application er provided ge the duty Regulations	d below and, is not by the first to disclose , §1.56(a)
Application Serial No.	Filing Date		Patented,	Status Pending, Ab	andoned
60/270,855	02/21/2001	=======================================	========	Abandoned	
I hereby declare that statements made on inf	all statements ormation and b	herein of my elief are beli	own knowled	lge are true true: and f	and that all

Full name of sole or first inventor Vivien W. Chan
Inventor's signature Juniman Date 5/24/02
Residence San Francisco, California
Citizenship Canada
Post Office Address c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or second inventor
Inventor's signature Date
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Citizenship Chile
Post Office Address <u>c/o Chiron Corporation</u> , P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or third inventor Christoph Reinhard
Inventor's signature Date
Residence Alameda, California
Citizenship Germany
Post Office Address <u>c/o Chiron Corporation</u> , P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or fourth inventor _ Filippo Randazzo
Inventor's signature
ResidenceOakland, California
Citizenship United States of America
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PATENT U.S. Patent Application No. 10/081,124 Atty. Docket No. PP-016336.002

Full name of sole or <b>fifth</b> inventor <u>George Lamson</u>
Inventor's signature
Residence Moraga, California
CitizenshipUnited States of America
Post Office Address <u>c/o Chiron Corporation</u> , P.O. Box 8097. Emeryville, CA 94662-80
Full name of sole or sixth inventor Pablo Dominguez Garcia
Inventor's signature
Residence San Francisco, California
Citizenship Chile
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Full name of sole or <b>seventh</b> inventor <u>Edward J. Moler, Jr.</u>
Inventor's signature Date
Residence Concord, California
CitizenshipUnited States of America
Post Office Address c/o Chiron Corporation, P.O. Box 8097 Emeryville CA 94662-809



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Prior Foreign Applicat Number	ion(s) Country	Day/Month/Year	Filed	Priority (	Claimed No
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Application Serial No.	Filing Date		Patented,	Status Pending, Al	pandoned
60/270,855	02/21/2001			Abandoned	
I hereby declare that a	all statements	herein of my o	wn knowled	ge are true	e and that all

Full name of sole or <b>first</b> inventor <u>Vivie</u>	n W. Chan
Inventor's signature	Date
Residence San Francisco, California	
Citizenship <u>Canada</u>	
Post Office Address <u>c/o Chiron Corporation</u>	
Full name of sole or <b>second</b> inventor	
Inventor's signature <u>faire</u> Eur	hele 1/23/02
Residence <u>Alamo, California</u>	
Citizenship Chile	
Post Office Address <u>c/o Chiron Corporation</u>	, P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or third inventorChris	toph Reinhard
Inventor's signature	Date
Residence Alameda, California	
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Full name of sole or <b>fourth</b> inventor <b>Fili</b>	ppo Randazzo
Inventor's signature	Date
Residence Oakland, California	
CitizenshipUnited States of America	
Post Office Address c/o Chiron Cornoration	P.O. Box 8097 Emergaille Ch 94662-8097

Full name of s	sole or <b>fifth</b> invento	or George Lams	on	····	
Inventor's sig	gnature			Date	
Residence	Moraga, California				
Citizenship _	United States of Am	nerica			
Post Office Ad	ddress <u>c/o Chiron Co</u>	orporation, P.O.	Box 8097.	Emeryville, (	CA 94662-8097
Full name of s	sole or <b>sixth</b> invento	or Pablo Domin	guez Garci	a	
Inventor's sig	gnature		-	Date	<u>.</u>
Residence	San Francisco, Cali	fornia			
Citizenship _	Chile				
Post Office Ad	ddress <u>c/o Chiron Co</u>	orporation, P.O.	Box 8097.	Emeryville, C	CA 94662-8097
Full name of s	sole or <b>seventh</b> inven	tor <u>Edward J.</u>	Moler, Jr	•	
Inventor's sig	nature			Date	
Residence	Concord, California	1			
Citizenship _	United States of Am	nerica			
Post Office Ad	dress c/o Chiron Co	rnoration P O	Boy 809'7	Emergaille (	יז מו <i>בב</i> ס_פחפס



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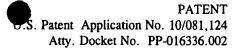
# GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS COLON CELLS AND THEIR METHODS OF USE

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Prior Foreign Applicat Number	ion(s) Country	Day/Month/	ear Filed	Priority (Yes	Claimed No
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Application Serial No.	Filing Date		Patented,	Status Pending, Al	pandoned
60/270,855 ============	02/21/2001			Abandoned	
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PATENT U.S. Patent Application No. 10/081,124 Atty. Docket No. PP-016336.002

Full name of sole or <b>first</b> inventor
Inventor's signature
Residence San Francisco, California
Citizenship <u>Canada</u>
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Full name of sole or third inventorChristoph Reinhard
Inventor's signature C. Reiluc Date 05/29/2002
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Citizenship Germany
Post Office Address <u>c/o Chiron Corporation</u> , P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or fourth inventor Filippo Randazzo
Inventor's signature Date 5/27/02
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Citizenship United States of America
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Full name of sole or fifth inventor George Lamson
Inventor's signature
Residence Moraga, California
CitizenshipUnited States of America
Post Office Address <u>c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-809</u>
Full name of sole or sixth inventor Pablo Dominguez Garcia
Inventor's signature Date
Residence San Francisco, California
CitizenshipChile
Post Office Address <u>c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA</u> 94662-809
Full name of sole or <b>seventh</b> inventor <b>Edward J. Moler, Jr.</b>
Inventor's signature
Residence Concord, California
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Prior Foreign Applicat Number	ion(s) Country	Day/Month/Yea	r Filed	Priority Yes	<u>Claimed</u> <u>No</u>
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Application Serial No.	Filing Date		Patented	Status	handanad
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60/270,855		=============		Abandoned	
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PATENT U.S. Patent Application No. 10/081,124 Atty. Docket No. PP-016336.002

Full name of sole or first inventor
Inventor's signature
Residence San Francisco, California
Citizenship Canada
Post Office Address c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-809
Full name of sole or <b>second</b> inventor
Inventor's signature
Residence Alamo, California
Citizenship Chile
Post Office Address _c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or third inventor Christoph Reinhard
Inventor's signature Date
Residence Alameda, California
Citizenship Germany
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Full name of sole or fourth inventorFilippo Randazzo
Inventor's signature
ResidenceOakland, California
Citizenship United States of America
Post Office Address _c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-8097

Full name of sole or fifth inventor George Lamson
Inventor's signature Lange Ramern Date 5/26/02
Residence Moraga, California
Citizenship United States of America
Post Office Address <u>c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-8097</u>
Full name of sole or sixth inventor _ Pablo Dominguez Garcia
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CitizenshipChile
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Full name of sole or <b>seventh</b> inventor <u>Edward J. Moler, Jr.</u>
Inventor's signature Date
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Citizenship United States of America
Post Office Address c/o Chiron Corporation P.O. Boy 2007 Emorphillo Ch. 24662 2007



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I acknowledge the duty this application in action in action in action in action in action (a).	cordance with Title 3	7, Code of Federal	
I hereby claim foreign any foreign application also identified below a having a filing date be	n(s) for patent or in any foreign applicati	ventor's certificat on for patent or in	ed States Code, §119 of ce listed below and have eventor's certificate priority is claimed:
Prior Foreign Applicat Number		nth/Year Filed	Priority Claimed Yes No
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Application Serial No.	Eiling Date	Dahamba J. D	Status
SELIAL NO.	Filing Date	Patented, P	Pending, Abandoned
60/270,855	02/21/2001		Abandoned
I hereby declare that	all statements begain		

Full name of sole or first inventor	Vivien W. Chan
Inventor's signature	Date
Residence San Francisco, Calif	ornia
Citizenship <u>Canada</u>	
Post Office Address <u>c/o Chiron Cor</u>	poration, P.O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or <b>second</b> invento	r Jaime Escobedo
Inventor's signature	Date
Residence Alamo, California	
Citizenship <u>Chile</u>	
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Full name of sole or third inventor	Christoph Reinhard
Inventor's signature	Date
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Citizenship Germany	
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Full name of sole or <b>fourth</b> invento	r <u>Filippo Randazzo</u>
Inventor's signature	Date
ResidenceOakland, California	
Citizenship United States of Ame	rica
Post Office Address c/o Chiron Cor	noration P.O. Box 8097 Emergyille CA 94662-8097

Full name of sole or fifth inventor George Lamson
Inventor's signature Date
ResidenceMoraga, California
CitizenshipUnited States of America
Post Office Address <u>c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-809</u>
Full name of sole or sixth inventorPablo Dominguez Garcia
Inventor's signature Dollagorus Date 5/28/02
Residence San Francisco, California
Citizenship Chile
Post Office Address <u>c/o Chiron Corporation, P.O. Box 8097. Emeryville, CA 94662-809</u>
Full name of sole or seventh inventor Edward J. Moler, Jr.
Inventor's signature Date
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CitizenshipUnited States of America
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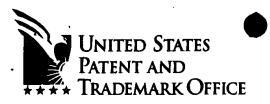
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Application Serial No.	Filing Date		Patented	Status , Pending, A	Abandoned
60/270,855	• •	========		Abandoned	
I hereby declare that a					

Full name of sole or <b>first</b> inventor Vivien W.	Chan
Inventor's signature	Date
Residence San Francisco, California	
Citizenship <u>Canada</u>	
Post Office Address <u>c/o Chiron Corporation</u> , P.	O. Box 8097. Emeryville, CA 94662-8097
Full name of sole or <b>second</b> inventor	cobedo
Inventor's signature	Date
ResidenceAlamo, California	
Citizenship Chile	
Post Office Address <u>c/o Chiron Corporation, P.</u>	
Full name of sole or third inventor <u>Christoph</u>	Reinhard
Inventor's signature	Date
Residence Alameda, California	
Citizenship Germany	
Post Office Address <u>c/o Chiron Corporation</u> , P.	
Full name of sole or <b>fourth</b> inventor <b>Filippo</b>	Randazzo
Inventor's signature	Date
ResidenceOakland, California	
Citizenship United States of America	
Post Office Address c/o Chiron Corporation, P	

Full name of sole or fifth inventor George Lamson
Inventor's signature Date
ResidenceMoraga, California
CitizenshipUnited States of America
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Full name of sole or sixth inventorPablo Dominguez Garcia
Inventor's signature
Residence San Francisco, California
Citizenship Chile
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Full name of sole or seventh inventorEdward J. Moler, Jr.
Inventor's signature Edward g. Myler, gr. Date 22 May 02
ResidenceConcord, California
Citizenship United States of America
Post Office Address c/o Chiron Corporation P.O. Roy 9097 Emorgaillo Ch. 04662 9000



JUNE 06, 2002

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INTELLECTUAL PROPERTY
P.O. BOX 8097
EMERYVILLE, CALIFORNIA 94662-8097

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JUN 2002

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

PTAS

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/01/2002

REEL/FRAME: 012772/0822

NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHAN, VIVIEN W.

DOC DATE: 11/02/2001

ASSIGNOR:

ESCOBEDO, JAIME

DOC DATE: 03/08/2002

ASSIGNOR:

REINHARD, CHRISTOPH

DOC DATE: 01/17/2002

ASSIGNOR:

RANDAZZO, FILIPPO

DOC DATE: 01/17/2002

ASSIGNOR:

LAMSON, GEORGE

DOC DATE: 01/17/2002

**ASSIGNOR:** 

GARCIA, PABLO DOMINGUEZ

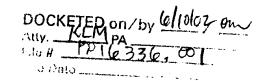
DOC DATE: 11/01/2001

ASSIGNOR:

MOLER, EDWARD J., JR.

DOC DATE: 01/16/2002

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ASSIGNMENT BRANC



012772/0822 PAGE 2

ASSIGNEE:

CHIRON CORPORATION
P.O.BOX 8097
INTELLECTUAL PROPERTY
EMERYVILLE, CALIFORNIA 94608-8097

SERIAL NUMBER: 60270855

PATENT NUMBER:

FILING DATE: 02/21/2001

ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

COPY ONLY DO NOT FORWARD TO ASSIGNMENT BRANCH

**PATENT** U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

### ASSIGNMENT

WHEREAS, We, VIVIEN W. CHAN, JAIME ESCOBEDO, CHRISTOPH REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO DOMINGUEZ GARCIA and EDWARD J. MOLER, JR., hereinafter referred to as ASSIGNORS, have coinvented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

GENE PRODUCTS DIFFERENTIALLY EXPRESSED

IN COLON CANCER

Date of Execution: November 2, 2001, March 8, 2002, January 17, 2002, January 17, 2002,

January 17, 2002, November 1, 2001 and January 16, 2002

Filing Date:

February 21, 2001

Serial No:

60/270,855

WHEREAS, CHIRON CORPORATION, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by ASSIGNEE or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

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ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE 11/2/01	INVENTOR: VIVIEN W. CHAN  Signature
State of California County of before me, personally appeared vivia within instrument and acknowledged to me the his/her/their authorized capacity(ies), and that instrument the person(s), or the entity upon bethe instrument.	at <b>ne/she/the</b> y executed the same in t by <b>ns</b> / h <del>er/thei</del> r signature( <b>s</b> ) on the
WITNESS my hand and official seal.  Signature of Notary Public	NANCY L. SWANSON Commission # 1162842 Notary Public - California Alameda County My Comm. Expires Nov 23, 2001  Notary Seal

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PATENT U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

**INVENTOR: JAIME ESCOBEDO** 

DATE 3/8/02

Signature

State of California

County of Alamora

WITNESS my hand and official seal.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1326916
Notary Public - California
Alarmeda County
My Corrn. Expires Nov 23, 2005

**Notary Seal** 

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PATENT U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

INVENTOR: CHRISTOPH REINHARD

DATE .	01/17/02	Cl. Clarel
		Signature

State of California
County of Almena

On \_\_\_\_\_\_ before me, \_\_\_\_\_\_ before me, \_\_\_\_\_\_ Notary Public, personally appeared \_\_\_\_\_\_ belong to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1326916
Notary Public - Celifornia
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Page 4 of 8

PATENT U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

## INVENTOR: FILIPPO RANDAZZO

DATE 1/17/02	12
	Signature
State of California	
County of Alamena	
within instrument and acknowled his/her/their authorized capacity	Notary Public,  personally known to me OR proved vidence to be the person whose name is subscribed to the ged to me that ke/she/they executed the same in (ies), and that by his/her/their signature(x) on the tity upon behalf of which the person(s) acted, executed
	NANCY L SWANSON

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Signature of Notary Public

Notary Seal

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PATENT U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

**INVENTOR: GEORGE LAMSON** 

DATE	Deorge Lamson
	Signature
State of California County of Alamena	
County of Aldmend	

WITNESS my hand and official seal.

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Signature of Notary Public

Notary Seal

NANCY L. SWANSON Commission # 1326918 Notary Public - California Alameda County

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PATENT U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

INVENTOR: PABLO DOMINGUEZ GARCIA

DATE 11/1/01 Polloforcian Signature

State of California

County of Alamooa

On \_\_\_\_\_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_\_\_\_\_, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in he/her/their authorized capacity(ies), and that by kis/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1162842
Notary Public - California
Alameda County
My Comm. Expires Nov 23, 2001

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PATENT U.S. Provisional No. 60/270,855 Attorney Docket No. PP-16336.001

INVENTOR: EDWARD J. MOLER, JR.

DATE 16-Jan-02

State of California

County of Alamma

On \_\_\_\_\_\_\_ before me, \_\_\_\_\_\_\_\_ Notary Public, personally appeared \_\_\_\_\_\_ For \_\_\_\_\_\_ Public \_\_\_\_\_\_ Notary Public, personally appeared \_\_\_\_\_\_ For \_\_\_\_\_\_ personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that \*\frac{100}{200} \frac{100}{200} \frac{100}

WITNESS my hand and official seal.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1328916
Notary Public - California
Alameda County
My Comm. Expires Nov 23, 2005

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